

*B
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(b) a mutein of leptin having at least 60% identity

with the sequence of a leptin and has the ability to block cell proliferation or having a sequence encoded by a nucleic acid which hybridizes to a nucleic acid which encodes leptin under stringent conditions and has the ability to block cell proliferation;

*M
CJ*
(c) a fragment of one of (a) or (b) which has the ability to block cell proliferation;

(d) a fusion protein comprising (a), (b) or (c);

(e) a leptin receptor agonist which has the ability to block cell proliferation; and

(f) a salt or functional derivative of any of (a)-

(e).

Claim 2, line 1, delete "use of an active agent" and insert therefor --method--; change "1" to --28--; and delete "as an inhibitor of" and insert therefor --for inhibiting--.

Claim 3, line 1, delete "use of an active agent" and insert therefor --method--; change "1" to --28--; and delete "as an inhibitor of" and insert therefor --for inhibiting--.

Claim 4, line 1, delete "use of an active agent" and insert therefor --method--; change "1" to --28--; and delete "as an inhibitor of" and insert therefor --for inhibiting--.

Claim 5, line 1, delete "use of an active agent" and insert therefor --method--.

Claim 6, line 1, delete "use of an active agent" and insert therefor --method--; change "1" to --28--; and delete "as an inhibitor of" and insert therefor --for inhibiting--.

Claim 7, line 1, delete "use of an active agent" and insert therefor --method--; change "1" to --28--; and delete "as an inhibitor of" and insert therefor --for inhibiting--.

Claim 8, line 1, delete "use of an active agent" and insert therefor --method--; change "1" to --28--; and delete "as an inhibitor of" and insert therefor --for inhibiting--.

Claim 9, line 1, delete "use of an active agent" and insert therefor --method--; change "1" to --28--.

Insert new claims 29-38 as follows:

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--29. A method in accordance with claim 28, wherein said active agent is leptin.

AC

--30. A method in accordance with claim 28, wherein said active agent is a mutein of leptin having at least 60% identity with the sequence of a leptin and has the ability to block cell proliferation.

--31. A method in accordance with claim 28, wherein said active agent is a mutein of leptin having a sequence encoded by a nucleic acid which hybridizes to a nucleic acid which encodes leptin under stringent conditions and has the ability to block cell proliferation.

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--32. A method in accordance with claim 28, wherein
said active agent is a fragment of (a) or (b) of claim 28,
which has the ability to block cell proliferation.

Part
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--33. A method in accordance with claim 32, wherein
said active agent is a fragment of leptin which has the
ability to block cell proliferation.

--34. A method in accordance with claim 28, wherein
said active agent is a fusion protein comprising (a), (b) or
(c) of claim 28.

--35. A method in accordance with claim 34, wherein
said active agent is a fusion protein comprising leptin.

--36. A method in accordance with claim 28, wherein
said active agent is a leptin receptor agonist which has the
ability to block cell proliferation.

--37. A method in accordance with claim 28, wherein
said active agent comprises a mutein of leptin having at least
70% identity with the sequence of a leptin and has the ability
to block cell proliferation.

Part
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--38. A method in accordance with claim 28, wherein
said active agent comprises a mutein of leptin having at least
80% identity with the sequence of a leptin and has the ability
to block cell proliferation.

--39. A method in accordance with claim 28, wherein
said active agent comprises a mutein of leptin having at least